

# **MCB CAMP BUTLER EMS CORE TEAM MEETING 4th Quarter 2013**

**Date: 18 Sep 2013**

**Time: 0900-1000**

**Location: Bldg. 363 Conference Room**

**Chairperson:** <sup>(b) (6)</sup>

**Facilitator:** <sup>(b) (6)</sup>

# Meeting Agenda

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- FY13 Objectives and Targets
- FY13 Environmental Action Plans (EAP)
- FY14 Risk Ranking
- FY14 Proposed Objectives and Targets
- FY14 Commander's Environmental Management Review Board (CEMRB)
- EMS Document Update

# FY13 Objectives and Targets

Objectives	Targets
<b>1. Reduce the impact of solid waste generation.</b>	<p>a. Divert 60% of non-hazardous solid waste from the waste stream in FY13.</p> <p>b. Divert 60% of construction and demolition debris from the waste stream by FY15 (FY13 Target: 56%).</p>
<b>2. Reduce electricity use in buildings.</b>	Reduce energy intensity of facilities by 37.5% by FY20 using FY03 as baseline (FY13 Target: 3% reduction from FY12).
<b>3. Reduce vehicle fuel consumption and air emissions.</b>	Reduce use of petroleum products by vehicle fleets by 30% by FY20 using 2005 as baseline (FY13 Target: 3% from FY12).
<b>4. Reduce hazardous material usage and hazardous waste disposal.</b>	Implement Hawker battery reuse program.

# EAP-1 Solid Waste Diversion

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Plan of Action	Responsibility	Status	Completion
Procure Material Handling Equipment (Bobcat)	QRP Manager	Complete	31 May 2013
Install sorting conveyor Install new glass pulverizer Install new wood chipper Install new 100Hp horizontal baler Install (2) new can condensers Install new can separator Install new paper shredder Install new vertical baler	QRP Manager	In progress as JFIP (New Recycling Center), Design stage until 31 Mar 2013	31 Mar 2015
Procure large-size scale and 2 forklift scales	QRP Manager	In progress	31 May 2013
Review existing routes and increase collection points	QRP Manager	Ongoing	Continuous
Conduct yearly commodity market and economic feasibility analysis to develop new QRP business plan for non-hazardous/non-construction/demolition debris	QRP Manager	Ongoing	Continuous
Develop and implement Recycling Equipment Preventive Maintenance Program	QRP Manager	In progress	31 Mar 2013 (TBD)
Replace existing can separator and install additional new can condenser at Bldg 5611	QRP Manager	In progress	Dec 2013
Lease a Nissan LEAF electric car and install electric car charging station at Bldg 5611 to support direct-selling process	QRP Manager	In progress	31 Mar 2013 (TBD)
Develop SOP for Barracks Recycling	P2 Manager	Complete	Sept 2013

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# EAP-2 Construction & Demolition Diversion

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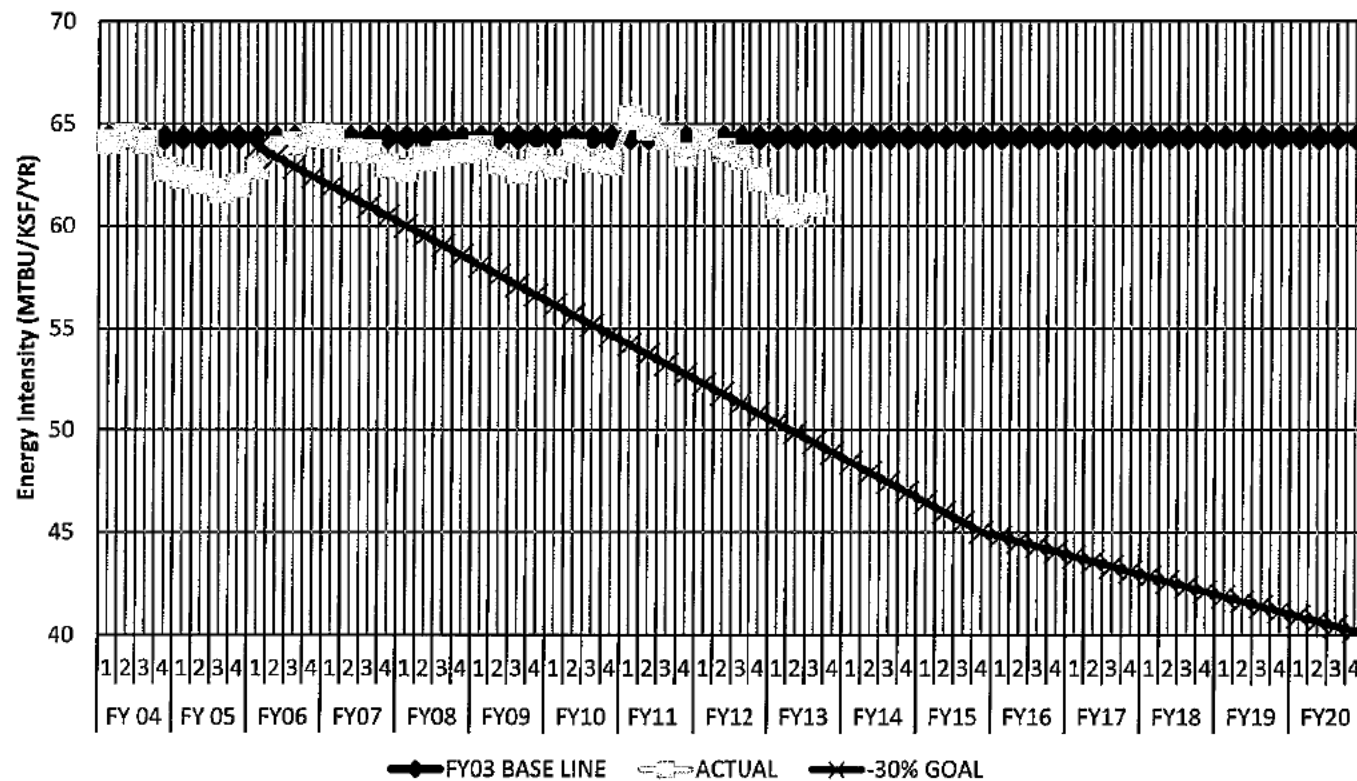
Plan of Action	Responsibility/POC	Status	Completion
Coordinate with contracting agencies (PWB, ROICC and Army Corps of Engineer) to track diversion of construction and demolition(C&D) debris	QRP Manager / P2 Manager	Complete	April 2013
Review and develop C&D Guidelines for C&D Waste Diversion Management Methods	P2 Manager	In progress	Sept 2013
Evaluate feasibility to receive directly additional C&D Debris & identify most feasible commodities	P2 Manager/QRP Manger	Complete	April 2013
Review MCBB Engineer Section Construction Specifications in 4 MAC contracts & recommend new C&D diversion requirements	P2 Manager	Preliminary recommendation made	April 2014
Develop data requirement needed for submission to C&D Data Mgr.	PWB,ROICC, ACOE & FE EB	Complete	April 2013
Identify means to increase C&D diversion*	PWB,ROICC, ACOE & FE EB	In progress	April 2014

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# EAP-3 Reduce Energy Intensity of Facilities

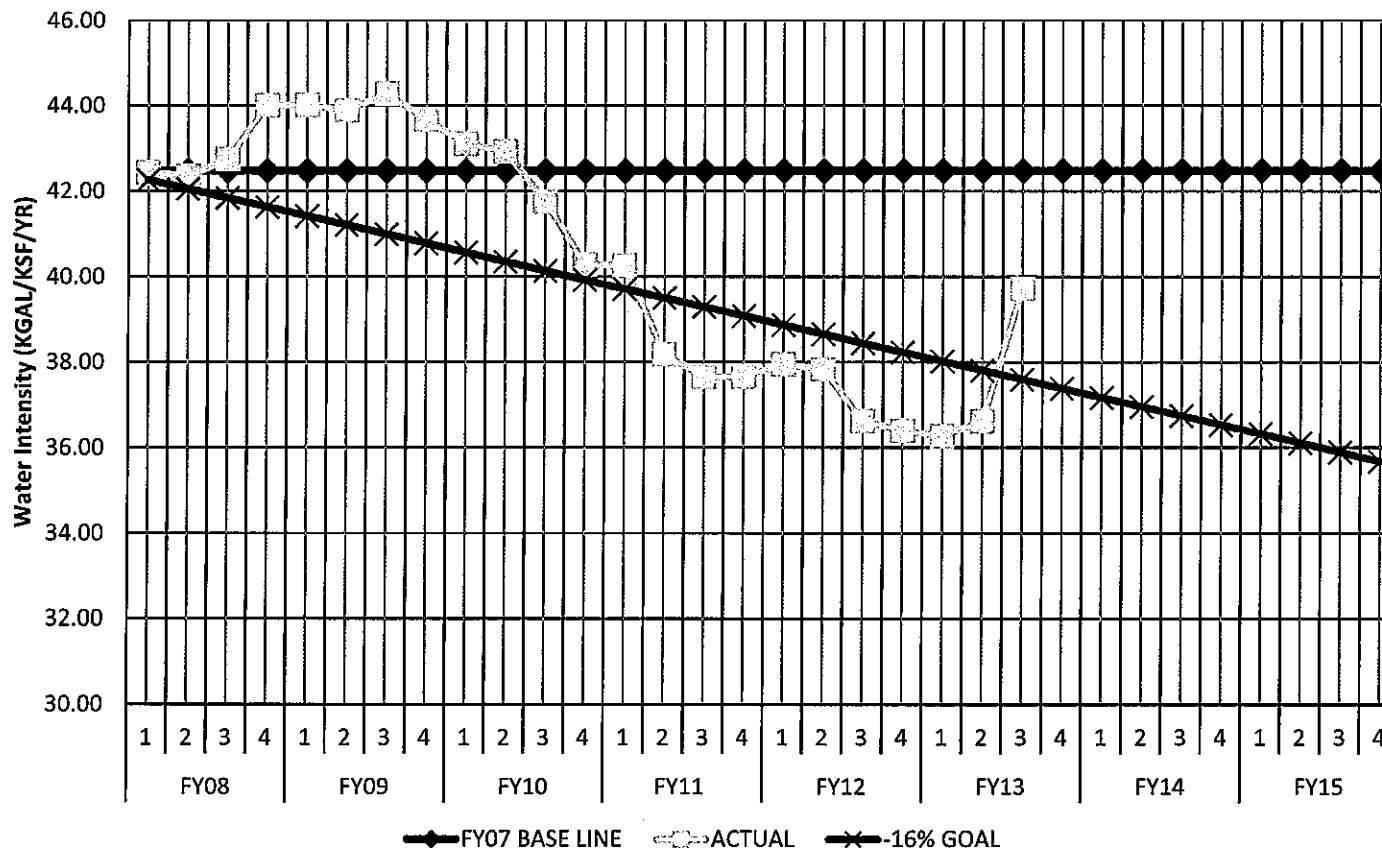
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ENERGY INTENSITY REDUCTION PROGRESS (Current: -5.11%)



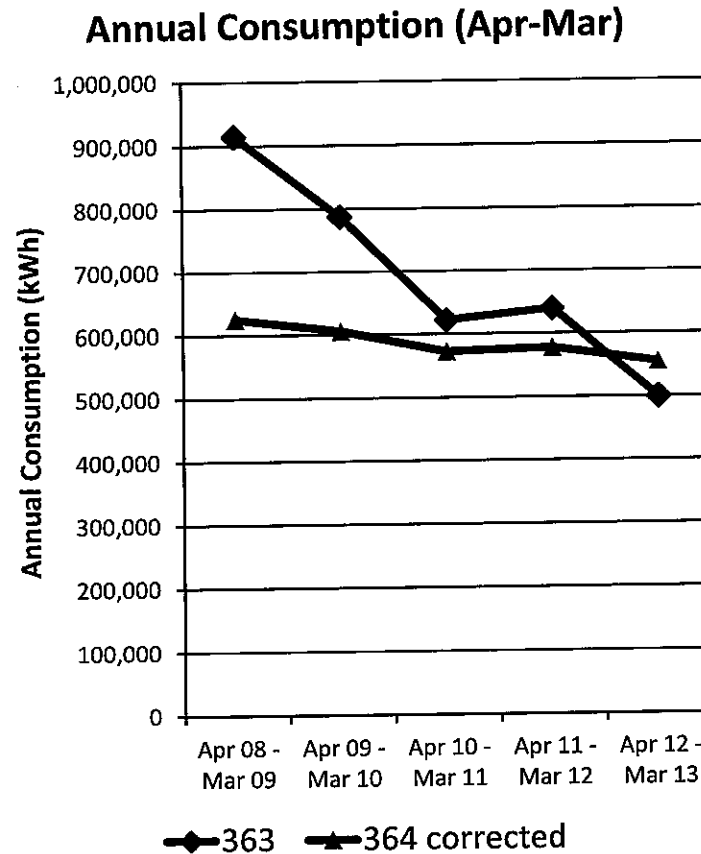
# EAP-3 Reduce Facilities Energy Intensity

**WATER INTENSITY REDUCTION PROGRESS (Current: -6.47%)**



# EAP-3 Reduce Facilities Energy Intensity

- Renewable Energy Systems installed (2 solar & 2 wind turbines)
- Facility Energy Improvement project (Foster 363 – see graph)
- Efficient magnetic bearing chillers installed at 22 locations (Hansen, Courtney & Foster)
- LEC Exit Signs for 600+ buildings throughout Okinawa and Fuji proposed for \$1.4M with \$160K saving
- Energy Audit completed and projects proposed for \$4M with \$411K saving





# EAP-4 Vehicle Fuel Consumption Reduction

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Plan of Action	Responsibility/POC	Status	Completion
Enact system wide improvements/changes to The Green Line bus service. Projected annual fuel reduction 18,308,464 gallons	Fleet Manager / GME Operations Officer	Start date 1 March 2013	28 Feb 2014
Continue to enforce the Anti- Idling Policy (GME SOP MCBJO 11240.5)	GME Operations Officer	Ongoing	Continuous
Continue to enforce Official Use.	Motor T Chief / Operations Chief		
Continue to reduce the number of fossil fuel vehicles through Right Sizing the Fleet	Procurement Chief	Ongoing	Continuous
Continue to promote Green Line bus service.	GME Operations Officer	Ongoing	Continuous
Continue to monitor GME in service vehicles (Road Master Checkpoints – utilization) Addressing Idling and Unofficial Use	Motor T Chief / Operations Chief	Ongoing	Continuous
Continue to redesign Quality Control Program (Implementation of QC Stations & QC Satellites through Okinawa & CATC Fuji)	Operations Chief / Chief Dispatcher	Ongoing	Continuous
Continue to utilize technology to maintain records and provide cost effective information to GME users / customers	Procurement Chief	In Progress	Continuous
Continue to procure fuel efficient vehicles such as Hybrids including passenger buses.	Procurement Chief	Ongoing	Continuous
Continue with expansion plans for Electric Vehicles (zero fuel/zero carbon)	Procurement Chief	Ongoing	Continuous

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# EAP-5 Hawker Battery Reuse Program

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## Implement Hawker Battery Reuse Program

- FY13 Procurement = 502 batteries / \$169,575.60
- NSNS: 6140-014851472 \$337.80 per battery
- FY13 disposal/QRP recycling = 195,928lbs (collectively)
- Track FY14 usage...ongoing



# EAP-5 Hawker Battery Reuse Program

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## Implement Hawker Battery Reuse Program

Test trials on HD Pallet Charger at EST (2 systems)

Analyzed/charged 50 batteries (various types)

### PROS

- \* Simple operation (no maint.)
- \* 1~2 day conditioning
- \* dead battery (0 volts)
- \* safety shutdown
- \* no voltage drop
- \* 12 batts per system
- \* 50% after cond.

### CONS

- \* Battery overheat/vent
- \* load tester (CCAs)



# **EAP-5 Hawker Battery Reuse Program**

## **Implement Hawker Battery Reuse Program**

- Batteries going to JEMMS (Cost Avoidance)
  - no need to submit AULs, Free of charge, automatic push once ordered
- 50 batteries ready to go on Reuse now

# FY14 Risk Ranking

PRACTICE	ASPECT	Env	Regulator y	Perception	Health	Freq	Mission	PAI Score
Aircraft combat training	Noise	5	1	5	5	10	10	28
Building operation/maintenance/repair	Solid waste generation	5	5	5	3	10	8	26.8
Vehicle Operations	Fuel use	5	2	3	3	10	10	26.7
Aircraft combat training	Fuel use	5	2	1	3	10	10	26.1
Vehicle Operations	Air Emissions	5	2	1	3	10	10	26.1
Aircraft combat training	Air Emissions	5	1	1	3	10	10	25.6
Building operation/maintenance/repair	Electricity use	5	2	3	3	10	8	24.7
Vehicle maintenance	Hazardous material use	5	5	3	3	9	8	24.38
Vehicle maintenance	Hazardous waste generation	5	4	3	3	9	8	23.93
Battery management Equipment	Electricity use	5	2	3	5	10	5	22.9
operation/maintenance/disposal	Air Emissions	2	2	5	3	10	7	22.5
Construction/renovation/demolition	Solid waste generation	5	2	5	3	10	5	22.3
Encampment	Soil disturbance	5	2	5	3	10	5	22.3
Paint booth	Air Emissions	5	2	1	5	10	5	22.3
Painting	Air Emissions	5	2	1	5	10	5	22.3
Solid waste collection/transportation	Solid waste generation	5	5	5	3	9	5	21.92
EOD training	Physical presence	5	1	5	3	10	5	21.8
Soil excavation/grading	Physical presence	5	1	5	3	10	5	21.8

# FY14 Proposed Objectives and Targets

Objectives	Targets
<b>1. Reduce the impact of solid waste generation.</b>	Divert 63% of non-hazardous solid waste from the waste stream in FY14.
<b>2. Reduce electricity use in buildings.</b>	Reduce energy intensity of facilities by 37.5% by FY20 using FY03 as baseline (FY14 Target: 3% reduction from FY13).
<b>3. Reduce vehicle fuel consumption and air emissions.</b>	Reduce use of petroleum products by vehicle fleets by 30% by FY20 using 2005 as baseline (FY14 Target: 3% from FY13).
<b>4. Reduce hazardous waste disposal.</b>	Reduce contaminated absorbent (consorb) waste disposal by 5% in FY14.
<b>5. Control invasive species.</b>	Continue to monitor and control Cane Toad population in FY14.
<b>6. Manage radon data.</b>	Integrate radon data into Geographic Information System (GIS) in FY14.

## **FY14 CEMRB**

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- MCIPAC Commander's Environmental Management Review Board
- 1<sup>st</sup> Quarter of FY (tentatively Nov)
- MCIPAC installations participate via VTC
- Review:
  - Environmental Compliance
  - EMS Conformance
  - Status of FY13 Objectives & Targets (O&T)
  - Propose New O&Ts for FY14

# Environmental Policy Statement

- Signed by <sup>(b) (6)</sup>  
this month
- Please replace <sup>(b) (6)</sup>  
<sup>(b) (6)</sup> policy statement
- Japanese and Korean  
translations awaiting  
signature



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## MARINE CORPS INSTALLATIONS PACIFIC ENVIRONMENTAL POLICY

The natural environment is a key asset to the mission of Marine Corps Installations Pacific (MCIPAC). MCIPAC's policy is to enhance the Marine Corps by incorporating environmental compliance, efficient natural resources management practices and the interests of the local community into mission execution. To this end, we will always strive to protect and preserve the land, water, air, and cultural resources within our cognizance by doing the following:

- Complying with all applicable environmental legislation, Final Governing Standards, regulations and policy
- Implementing pollution prevention through source reduction and recycling
- Conserving natural resources and preserving cultural resources
- Implementing sustainability initiatives
- Minimizing risk to mission
- Conducting appropriate review of potential environmental impacts of all Federal actions

Operational readiness is the hallmark of the Marine Corps and environmental compliance is the key to sustaining and enhancing mission readiness and access to training environments. MCIPAC is committed to promoting responsible stewardship while continually improving environmental performance through an effective and efficient Environmental Management System (EMS).

Semper Fidelis,

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MAJOR GENERAL, U.S. MARINE CORPS  
COMMANDING GENERAL, MARINE CORPS INSTALLATIONS PACIFIC



## **EMS Documents New** (April-Sept 2013)

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- EMS 01.6 MCIPAC Environmental Policy  
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- EMP 04.3 Disposal of Gray Water from  
Training Area Exercises SOP
- EMSP 13.1.4 Non Compliance Notice Form
- EMSP 13.1.2 UER Inspection Checklist
- EMSP 13.1.3 HWAP MGR Inspection Checklist  
(EN/JN)

## **EMS Documents Cancelled** (April-Sept 2013)

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- EMP 1.3.3      HWAP Inspection Weekly Checklist
- EMP 1.3.2      UER Inspection Checklist
- EMSP 17.1.1    Non Compliance Notice Form
- CO 5090.2A    Camp Schwab OHSPCP
- CO 5090.1      Camp Kinser OHSPCP

## **EMS Documents Revised** (April-Sept 2013)

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- EMP 01.1 Continuity Binder SOP Ver 5
- EMP 01.1.1 Continuity Binder Tabs Ver 5
- EMP 01.2 ECPSOP Ver 4
- MCO P5090.2A Environmental Compliance and Protection Manual Change 3
- EMSP 11.1 Spill Prevention and Response Plan (SPRP) Ver 2

# EMS Documents Being Revised & Staffed

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- **EMS Manual**
  - Being revised to comply with MCO P5090.2A Environmental Compliance and Protection Manual Change 3
- **Radon SOPs (new)**
  - EMP 16.1 Radon Mitigations Systems Inspection SOP
  - EMP 16.2 Radon Mitigations Systems Maintenance SOP

# Conclusion

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- Upcoming events:
  - CEMRB Meeting – Nov 2013
  - Next Core Team Meeting – Dec 2013
- Will send minutes to EMS Core Team
- Please brief your chain of command

**Thank you!**